



SMART CITIES



Imagine the city of tomorrow, together

Delivering Transformation. Together.

sopra  steria



Sopra Steria, European leader in digital transformation, provides one of the most comprehensive portfolios of end to end service offerings in the market: Consulting, Systems Integration, Software Development, Infrastructure Management and Business Process Services. Sopra Steria is trusted by leading private and public-sector organisations to deliver successful transformation programmes that address their most complex and critical business challenges.

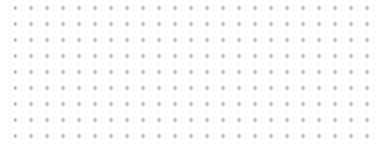
Combining high quality and performance services, added value and innovation, Sopra Steria enables its clients to make the best use of digital technology.

40,000+ employees

€3.7 bn 2016 revenue

20+ countries in Europe and worldwide

« Local genetics » by Sopra Steria



Towns, cities and global territories face common challenges but seek to bring different answers that take account of their own history and their local identity: there is no single model of a smart city but they are all innovative and service-oriented cities.

For Sopra Steria, the so-called «Smart» strategies must rely on the local genetics of the territories, using digital technologies to outline tomorrow's city.

The Smart City uses digital technology to improve citizens' quality of life and for economically sustainable development. It reinvents services, which are enhanced through a more efficient use of resources and through more economic and environmentally-friendly practices.

These actions concern the city's performance in terms of operating, optimising urban mobility, developing a digital economy, encouraging citizen participation and constructing a pleasant and environmentally-friendly city.

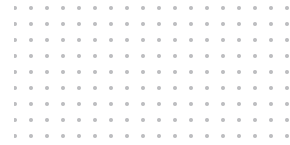
Sopra Steria, along with the cities and operators that provide the necessary services, is developing innovative solutions—from consulting to hosting, to software integration and publishing.

There isn't only one model of the Smart City for Sopra Steria, there are many Smart Cities; each has a different approach that depends on the city, its history, geography and culture—in other words, its DNA.

Sopra Steria proposes putting an end to various experiences, to POC (proof of concept), to providential technologies of all types in order to switch to "stone 1" mode. Let's work together on the foundations of the future smart city in terms of social relations, economic models and digital sustainability!

That's how major ambitious projects in several European cities have already been launched in the following fields: transformation of public transport confronted with the mobility needs of a company with a considerable presence in a city (similar topic for GAFA in San Francisco), structuring local management that is completely digitalised and rolled out across the board, or even the creation of a digital harbor with a Mediterranean influence.

Users stimulate digital innovation to help construct tomorrow's cities



Grouping merged local governments strongly affects how the services and information systems are organised. At a time when digital technologies are developing at exponential speeds, smart cities must rethink their service offer to adapt to users' new needs.

Co-constructing tomorrow's city is a fundamental guideline

Smart cities' goals concern their ability to offer an environment that meets users' needs. Digital technology has introduced new ways to build services for users by giving them the tools and means to develop their own service offer.

Smart cities must rework how they design their value offers by involving the users when designing services.

Digital services within Smart Cities need to be built according to how they are used and no longer by necessity. Similarly, the service offer shouldn't only be built to respond to a business approach; it should be built with the user.

This is done mainly through:

- contacting and training users (i.e. the Living Lab, Fab Labs);
- collaborating with citizens (collaboration platform);
- freeing up data (Open Data method);
- transforming the information system into an open platform for data and services.

Sopra Steria is a committed actor to local ecosystems

Sopra Steria participates actively in local initiatives in Europe at the heart of cities to co-build the city of tomorrow in spaces dedicated to the sharing of resources, skills and knowledge: TUBà Lyon, Bordeaux Metro Pulse, Bouda in Boulogne (cities in France), SmartOslo Accelerator in Norway, Think Tank AVAESSEN in Spain ... and by contributing to the development of start-ups by mobilizing their know-how to animate the local ecosystem.



Open data, the foundation for developing digital service offers in cities

Data is the engine that drives the development of digital services. Open Data is an essential organisational approach for cities as well as a lever for the transparency and development of innovative services. It forces cities to take inventory of their assets and redefine how they produce and use data. It also allows cities to construct a data culture at the heart of local government and to develop its potential (i.e. Big Data).

Sopra Steria, actor in the H2020 Festival project

At the European and global level, Sopra Steria is fully involved in the **H2020 Festival project**, financed by the European Commission and coupled with a similar Japanese projects based in Osaka. The aim of this initiative is to build a tool for testing digital services that involves local authorities, universities, IT services suppliers, network operators and citizens in co-designing new digital services for smart regions.

APIs at the heart of the development of digital services offerings

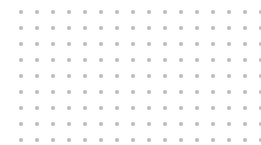
Axway, a Sopra Steria partner, offers software and services that help our clients manage their data flows and support their interactions. Many of Sopra Steria's solutions are based on Axway's portfolio, allowing the smooth running of critical business exchanges.

A platform that helps the city's ecosystem

Each city needs to operate its own digital services and choose a strategy to enhance its service assets and data. Identifying the base services on which all the expected digital offerings are developed, allows, through the implementation of a platform, to open the information system and meet the construction requirements of the city's service offering.

SUCCESS STORY **Enjoy-MEL** offers towns within the MEL (*Métropole Européenne de Lille*) to enrich the relationship that exists between consumers and local businesses. By combining a responsive platform with the deployment of tags within the city, this tool can reference noteworthy businesses and sites within the city, showcase offerings, online shopfronts and consumer feedback for example, and provide tours to explore and promote the attractiveness of city centres.

Propose innovative solutions for energy management



Faced with increasingly heavy budgetary, regulatory and fiscal constraints, companies in the energy sector and territories must be increasingly creative to improve their productivity, develop new products and services, control costs, reduce their environmental impact and rationalise their operations.

Smart Grid

Sopra Steria is a member of a consortium aiming to develop a neighbourhood power grid that optimises energy consumption at the level of a district or a city. This has given birth to IssyGrid®, the first district smart grid in France, set up at Issy-les-Moulineaux. It heralds a new way of optimising energy management in the districts and cities of tomorrow.

Smart Meter

For various customers in the energy sector, Sopra Steria contributes to the development of intelligent solutions for controlling consumer energy demand. Sopra Steria supports the deployment of networked smart meters in the domestic market of electricity and gas operators in France. These meters allow the end consumers to control their energy consumption better and thereby moderate their demand on suppliers.




Smart Home

In the context of its work on energy management in housing, Sopra Steria offers digital solutions to its real estate and energy customers that allow them to address energy efficiency challenges.

Smart Building

For commercial buildings, the group has developed a solution for improving energy performance in conjunction with user comfort (temperature, air quality).



SI@GO® , an energy performance management software for buildings that optimizes energy consumption and inhabitants' comfort

Realized in partnership with Bouygues Immobilier, the solution SI@GO® V3 analysis in real-time the production and consumption of energy of a commercial building. SI@GO® V3 changes drastically the energy management by integrating multi-source, including IoTs, multi-building, multi-fluid metering and by bringing more flexibility into the data collection and management (reports & documents). SI@GO® V3's interface is responsive and can be accessed from any device.



Facilitate the every day users mobility

Whether road, rail, sea, or air transportation, urban transportation and municipal services, process efficiency and operational excellence are crucial. Reducing the environmental footprint of transportation, seamless mobility, the user's journey, strengthening security, and pricing pressure are the major challenges for local governments and transportation operators.



A sector in full transformation

The transport sector is undergoing profound changes: opening up to competition, increase in European and urban traffic, new methods of transport (low-cost operators, long distance and the renovation of old networks).

The digital, the IoT (smartphones, sensors, ...) and the explosion of data from the world of transport move the lines and change the practices by bringing new actors into the landscape (Google with the autonomous car, Uber, Blablacar, ...)

Faced with these major challenges, the transport sector must change:

- propose multiple or integrated offerings (bus, taxi, bike, etc.): door-to-door;
- become customer-centered and develop loyalty;
- propose new services.



Sopra Steria helps companies in the transport sector and local governments to confront their specific and complex challenges in the transition from transportation to mobility.

In all of these domains, Sopra Steria has developed business expertise based on three main themes:

- infrastructure management: asset management, supervision of equipment, development of mobile tools for maintenance, paperless records, etc.;
- traffic management: from timetable design to transport planning, fleet management and supervision of rail, road and air traffic;
- traveler experience: mobile ticketing, boarding and access control, passenger information.

Sopra Steria helps:

- large operators make transport more environmentally friendly and secure, make the urban transport offering more attractive and accessible, and shift towards collective transport;
- local ecosystems establish new transport policies that comply with environmental constraints, notably by optimising traffic management and intermodal travel relying on the data of existing operators and developing new offers with them (Pass urbain, Colibry, Smart Harbour).

SUCCESS STORY Sopra Steria accompanies the **Metropolis of Lyon** in the implementation of the Urban Pass. This project is intended to simplify the daily life of the users who will be able to benefit several public and private services on the territory via a single support. Three major areas are concerned: services related to their transport (public transport, parking, etc.), leisure (museums, libraries, etc.) and their outings (Olympique Lyonnais soccer team, etc.).

SUCCESS STORY Sopra Steria is a partner in the **Colibry project** to reduce vehicle use in Toulouse / Blagnac / Colomiers airport area in favor of new mobility solutions (carpooling, car-sharing, bicycles, etc.) through joint actions between the collectivity and companies (cross-referencing of public and private data, optimization of inter-company travel plans, creation of multiservice and multimodal hubs with coworking spaces ...).

Advising cities with regard to their digital roadmap and economic development

Sopra Steria helps European cities build their digital strategies according to the Smart Cities approach. The Smart City reinvents services with innovation and participation, through co-innovation, co-design and open innovation promoting development through collective intelligence.

Economic development, an essential axis of Smart Cities, is clearly linked to the identity of local governments because it will:

- generate an ambitious project (from a political and economic point of view);
- develop the global digital activity locally;
- create and boost start-ups;
- create jobs.

We are addressing this approach with a “first stone” project strategy to implement credible and concrete projects in terms of feasibility and vision.

SUCCESS STORY The **town of Antibes** in the south of France, the *Syndicat Intercommunal des Collectivités Territoriales Informatisées des Alpes Méditerranée (SICTIAM)* and Sopra Steria have agreed to a co-innovation partnership for 2015-2016 regarding digital technology in port operations.

The smart management of a port—through the different models of IT architecture—helps to understand administrators’ and operators’ needs, as well as the needs of amateur yachtsmen to improve infrastructure, to operate the databases, to measure the impact of their activities and to communicate about the wealth produced for example.

SUCCESS STORY Within the **Pays de Saint Omer**, Sopra Steria accompagnies the definition and implementation of the digital strategy of the territory. The objective is to take consciously the territory in the third industrial revolution by an inclusive and radiant service offering, supported in this by the Hauts de France region and the European Union.





SOPRA STERIA ASSETS

- + An innovative approach serving our customers in their digital transformation.
- + An end-to-end service offering from consulting to systems integration, including software development solutions and managed services.
- + In-depth knowledge of Public sector, Energy and Transport sectors.
- + Experience in digital technologies: Big Data, Cloud, Mobility, Cyber Security, Connected Objects, Blockchain, Artificial Intelligence.
- + The capacity to manage complex programmes.
- + Unique national coverage and a broad European presence.

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